



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/703,020	10/31/2000	Thomas Patrick Dawson	M-9050 US	9060

7590 02/06/2003

Alex Chen  
SKJERVEN MORRILL MacPHERSON LLP  
25 Metro Drive, Suite 700  
San Jose, CA 95110-1349

EXAMINER

TRAN, TAM D

ART UNIT	PAPER NUMBER
----------	--------------

2676

DATE MAILED: 02/06/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/703,020

Applicant(s)

DAWSON, THOMAS PATRICK

Examiner

Tam D. Tran

Art Unit

2676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 31 October 2000.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☐ Claim(s) 1-41 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) 1-41 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- |                                                                                                              |                                                                             |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                  | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                         | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>2</u> . | 6) <input type="checkbox"/> Other:                                          |

Art Unit: 2676

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-41 are rejected under 35 U. S.C. 103(a) as being unpatentable over Peddada (USPN 6295068 B1) in view of Duluk Jr. et al. (USPN 6229553 B1), hereinafter simply Peddada and Duluk.

2. In regard to claim 1 and 16, Peddada teaches a graphic system including graphic controller (texture memory controller), graphic engine (texture engine), texture memory, surfaces (texture layers) that are stored on the texture memory. See col.1 lines 35-55. Peddada does not teach converting input into stream of data, usually in the form of a series of packets, which it pass to the graphic engine (texture engine). However, Duluk teaches converting input into stream of data, usually in the form of a series of packets, which it passes to the graphic engine (texture engine). See col.11 lines 25-30. It would have been obvious to a person of ordinary skill in the art at the time of the invention to incorporate the packets form of Duluk into the graphic system of Peddada because the combined process of Peddada and Duluk handles communication with the host computer through the bus, the bus provides a larger bandwidth for faster transmission speeds. See col.11 lines 20-25.

Art Unit: 2676

3. In regard to claim 2, Peddada teaches a graphic system. It is inherent that every graphic image (layers) having color values associating there with.
4. In regard to claim 8, 9, 20, 38, Peddada teaches a graphic system having texture cache for copying the texture from the main memory to the texture cache. See col.4 lines 1-5.
5. In regard to claim 27 and 40, Peddada teaches a graphic system wherein a copy of an AGP texture in a local graphic memory is transparently managed. AGP transfers to the local graphics memory are performed transparently to high-level application. See col.8 lines 40-50.
6. In regard to claims 3, 7, 14, 15, 24-26, 34-36, Peddada teaches a graphic system. Peddada does not teach alpha blending. However, Duluk teaches alpha blending for computer graphic. See col.28 lines 35-40. It would have been obvious to a person of ordinary skill in the art at the time of the invention to incorporate alpha blending of Duluk into graphic system of Peddada because the combination of Duluk and Peddada would send pixels to store in the frame buffer.
7. In regard to claims 4, 5, 6, 33, 41, Peddada teaches a graphic system. Peddada does not teach color packet. However, Duluk teaches color packet. See col. 28 lines 1-10.
8. In regard to claim 10, 19, Peddada teaches a graphic system. Peddada does not teach the linewidth and pointwidth attribute. However, Duluk teaches linewidth and pointwidth attribute. See col.18 lines 60-67.
9. In regard to claim 11, Peddada teaches a graphic system. Peddada does not teach SendTo Pixel flag. However, Duluk teaches SendToPixel flag. See col.19 lines 1-5.
10. In regard to claims 12, 28, 37, Peddada teaches a graphic system. Peddada does not teach depth value. However, Duluk teaches depth value. See col.7. lines 20-40.

Art Unit: 2676

11. In regard to claims 13, 17, 18, 21, 22, 23, Peddada teaches a graphic system. Peddada does not teach packet of information. However, Duluk teaches packets of information. See col.8 lines 30-35.

12. In regard to claim 29, 30, Peddada teaches a graphic system having bit block transfer. See col.2 lines 43-49.

13. In regard to claim 31, 32, Peddada teaches a graphic system having offset values for the address. See col.8 lines 35-40. It is inherent that the offset value can be negative and positive.

14. In regard to claim 39, Peddada teaches a graphic system having real time for the performance. See col.10 lines 9-11.

### *Conclusion*

15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Tam D. Tran** whose telephone number is **703-305-4196**. The examiner can normally be reached on MON-FRI from 8:30 – 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Matthew Bella** can be reached on **703-308-6829**.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**or faxed to:**

**(703) 872-9314 (for Technology Center 2600 only)**

Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive,  
Arlington, VA, Sixth floor (Receptionist).

Art Unit: 2676

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Tam Tran

*TT*  
Examiner

Art unit 2676

  
**MATTHEW C. BELLA**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2600**